

Datasheet for ABIN3042364
anti-MGST1 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µg
Target:	MGST1
Binding Specificity:	AA 42-75, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MGST1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Microsomal glutathione S-transferase 1(MGST1) detection. Tested with WB in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human MGST1 (42-75aa KVFANPEDCVAFGKGENAKKYLRTDDRVERVRRRA), different from the related mouse sequence by six amino acids, and from the related rat sequence by five amino acids.
Sequence:	KVFANPEDCV AFGKGENAKK YLRTDDRVER VRRRA
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Microsomal glutathione S-transferase 1(MGST1) detection. Tested with WB in Human,Mouse,Rat. Gene Name: microsomal glutathione S-transferase 1

Product Details

Protein Name: Microsomal glutathione S-transferase 1

Purification: Immunogen affinity purified.

Target Details

Target: MGST1

Alternative Name: MGST1 ([MGST1 Products](#))

Background: Microsomal glutathione S-transferase 1 is an enzyme that in humans is encoded by the MGST1 gene. The MAPEG (Membrane Associated Proteins in Eicosanoid and Glutathione metabolism) family consists of six human proteins, two of which are involved in the production of leukotrienes and prostaglandin E, important mediators of inflammation. Other family members, demonstrating glutathione S-transferase and peroxidase activities, are involved in cellular defense against toxic, carcinogenic, and pharmacologically active electrophilic compounds. This gene encodes a protein that catalyzes the conjugation of glutathione to electrophiles and the reduction of lipid hydroperoxides. This protein is localized to the endoplasmic reticulum and outer mitochondrial membrane where it is thought to protect these membranes from oxidative stress. Several transcript variants, some non-protein coding and some protein coding, have been found for this gene.

Synonyms: MGST1 antibody|Glutathione S transferase 12 antibody|GST12 antibody|MGST 1 antibody|MGST antibody|MGST1 antibody|MGST1_HUMAN antibody| Microsomal glutathione S-transferase 1 antibody|Microsomal GST 1 antibody|Microsomal GST-1 antibody|Microsomal GST-I antibody

Gene ID: 4257

UniProt: [P10620](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat
Notes: Tested Species: Species with positive results.
Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1.